

ABSTRACT

This invention is an improved method of installing the main subsystems of any Rankine Cycle thermal electric power generating station to reduce the capital cost of constructing the plant, to increase the overall safety of a nuclear reactor installation, and to improve the efficiency and safety of such a power plant. This invention achieves a reduction of the amount of complex and redundant machinery required for operation, and an increase of the withstand pressure of the containment of a nuclear reactor; by installing the primary thermal power source and vapour generators at a significant elevation below the condenser.